

# DAPS-01 Dual Antenna Positioning System

## Product Overview

The TDK DAPS-01 Dual Antenna Positioning System consists of a dual antenna mast with integrated turntable and SI-300 system interface. The DAPS-01 is specifically designed for remote positioning of two antennas, both in the horizontal and vertical planes, during EMC testing. The DAPS-01 simplifies testing by allowing the user to test continuously across two antenna bandwidths without interruption.

**Remote Control** The DAPS-01 is remotely controlled by the TDK SI-300 system interface unit. A single independent control unit is used to handle the turn axis and the polarization sense.

**Fiber Optic Link** Remote control of the positioning system is achieved by use of fiber optic links, eliminating a potential interference source and distance limitations.

**Custom Dimensions** The dimensions of the positioning system mast and turntable are dependent on the customer's required illumination area. Dimensions are limited only by the maximum length of cable that is used.

## Applications

- Compatible with the TDK SI-300 system interface
- Fiber optic interface
- Custom dimensions to meet customer requirements
- Shielded remote modules for use in high field environments
- Universal linear power supply



**The TDK DAPS-01 Dual Antenna Positioning System is designed to simplify testing by enabling remote positioning of two antennas in EMC test environments.**

## Features

- Remote independent vertical and horizontal polarization

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## System Components

- Dual Antenna Mast with Integrated Turntable
- SI-300 System Interface
- One set of fiber optic cables

## Mechanical Specifications

|                     |   |
|---------------------|---|
| Dimensions:         | 2.16 m H x 1.65 m D<br>(85" x 65")                |
| Adjustable Height:  | 1 - 2 m (39" - 79")                               |
| Polarization:       | Automatic horizontal<br>and vertical polarization |
| Cross-Boom Loading: | 20 kg (44 lbs.)                                   |
| Mast Weight:        | 30 kg (67 lbs.)                                   |
| Turntable Weight:   | 35 kg (77 lbs.)                                   |
| Construction:       | Non-conductive fiber-<br>glass and ABS plastic    |

## Electrical Specifications

|             |                     |
|-------------|---------------------|
| Voltage:    | 115/230             |
| Amp:        | 4/3A                |
| Hertz:      | 50/60 Hz            |
| Phase:      | 1 $\phi$            |
| Source Air: | Regulated to 20 psi |

## Ordering Information

|               |                                      |
|---------------|--------------------------------------|
| Product:      | Dual Antenna Position-<br>ing System |
| Model Number: | DAPS-01                              |
| Warranty:     | 1 year limited                       |

**To place an order or to learn more about the TDK products that best meet your needs, contact your TDK sales representative:**

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